



ATLAS II PROGRAM INTRODUCTION & BACKGROUND

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ATLAS II, SAM



PROGRAM DESCRIPTION

- ATLAS II is a C-130 air transportable 10,000 LB capacity variable reach rough terrain forklift
- Primary mission include handling all classes of supply
 - Stuffing and Un-stuffing standard pallets from 20 foot ISO containers (40 foot desired)
 - Handling loads weighting up to 10,000 lbs with 48 inch load centers (i.e. Air Force 463 L pallets)
- Primary rough terrain forklift on the Army's Combat Support/Combat Service Support (CS/CSS) battlefield
 - Fielded to Transportation, Quartermaster, Ordnance, Missile and Munition, Aviation, Engineer and Medical Units
- ATLAS II supports the Army's current, transformation and future forces
 - Transformation = Stryker Brigade Combat Team/Brigade Combat Team (SBCT/BCT)
 - Future = Complimentary Acquisition to Future Combat Systems (FCS)



PROGRAM HISTORY

- ATLAS/ATLAS II program initiated by the Combined Arms Support Command (CASCOM) in 1986 with the initial Operational and Organizational (O&O) Plan for the Robotics Assisted Cargo Handler (RACH). Name changed to Universal Self Deployable Cargo Handler (USDCH) in 1988.
- Program evolved into the All-Terrain Lifter, Army System (ATLAS) with approval of the Operational Requirements Document (ORD) in 1993.
- Awarded ATLAS production contract in 1995
 - First Unit Equip 1998
 - Procured approximately 1900 ATLAS forklifts from initial production contract
 - Initial Plan was to competitively award a 2nd ATLAS production contract in 2003 (new EPA requirements), but delays in requirement document approval, funding fluxuation, and Global War on Terrorism (GWOT) resulted in the extension to the initial ATLAS contract through 2006.
- User approved ATLAS II Operational Requirements Document (ORD) in 2002 (basis for this solicitation).
 - Increased reliability
 - Additional capabilities (Desired Requirements)
 - EPA Compliant (Tier III)
 - Improved Survivability
 - Additional Training and Logistics Support Requirements



UNIQUE PROGRAM FEATURES

- Requirement for Demonstration Vehicle
- Use of Modeling and Simulation during Source Selection Evaluation
- Trade-off Analysis for Survivability Requirements
- “A/B” Crew Protection Kit (CPK) and CPK TDP
- Electronic Training Aid (ETA) Requirement and Demonstration
- Single Test Approach
- Interactive Electronic Technical Manuals (IETMs)
- Incentives for early delivery of test articles and IETMs



PROGRAM GOALS

- ATLAS II Program Goals: Acquire ATLAS II forklifts that are:
 - More reliable than the current ATLAS
 - As or more capable than the current ATLAS (desired requirement)
 - As or more durable than the current ATLAS
 - As or more supportable than the current ATLAS
- Capable of demonstrating all ATLAS II requirements during a single test within an acceptable level of risk to the Army



PROGRAM SCHEDULE

- Release RFP – 15 Aug 06
- Pre-proposal Conference – 24 Aug 06
- Proposal Closing – 6 Oct 06
- Source Selection Evaluation Board 6 Oct – 20 Dec 06
- Demonstration Vehicle Delivery – 20 Oct 06
- Demonstration Vehicle Evaluation – 27 Oct – 8 Dec 06
- Evaluations Complete – 18 Dec 06
- Contract Award – 22 Dec 06